

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/03837

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F24F13/10 A62C2/24 H02K7/116 F16H1/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F24F A62C H02K F16H F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 186 471 B1 (BORGES STEVEN ET AL) 13 February 2001 (2001-02-13)	1,4,5
A	column 4, line 23-60; claim 1; figures 1-3	3,10,11
X	CH 614 507 A (BELIMO AUTOMATION) 30 November 1979 (1979-11-30)	1,4-6,9
A	abstract; claim 1; figures 3,4	10,11
X	US 4 669 578 A (FUKAMACHI RIKUO) 2 June 1987 (1987-06-02)	1,4,6,8
A	column 2, line 25-45; claim 1; figures 2,3	10,11
A	US 3 973 449 A (BERLINGER JR BERNARD E) 10 August 1976 (1976-08-10)	1,2
	claim 1; figures 1-3	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

23 July 2002

Date of mailing of the international search report

30/07/2002

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/03837

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6186471	B1	13-02-2001	CN 1306607 T EP 1078185 A1 WO 9960291 A1 US 6290207 B1 US 6250323 B1 US 6371440 B1	01-08-2001 28-02-2001 25-11-1999 18-09-2001 26-06-2001 16-04-2002
CH 614507	A	30-11-1979	CH 614507 A5 DE 2700928 A1 DE 7700651 U1 FR 2338438 A1	30-11-1979 21-07-1977 02-08-1979 12-08-1977
US 4669578	A	02-06-1987	DE 3843398 A1	28-06-1990
US 3973449	A	10-08-1976	NONE	

**201 07 326.9****Deutsches Patent- und Markenamt . 80297 München****Anlage 1****zur Mitteilung über die ermittelten Druckschriften  
gemäß § 7 Abs. 2 des Gebrauchsmustergesetzes****Druckschriften:****DE 44 03 574 C1  
DE 199 81 897 T1****DE 41 29 928 A1  
US 32 47 736 A****Bitte Anmelder/Inhaber + Aktenzeichen bei allen Eingaben angeben; bei Zahlungen auch Verwendungszweck. Hinweise auf der Rückseite beachten !****113****A9119****Annahmestelle und  
Nachbriefkasten  
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**Deutsches Patent- und Markenamt**

80297 München

**Anlage 2**

zur Mitteilung der ermittelten Druckschriften

Aktenzeichen

201 07 326.9

Erläuterungen zu den ermittelten Druckschriften:		
1	2	3
Kategorie	Ermittelte Druckschriften/Erläuterungen	Betrifft Anspruch
X	DE 199 81 897 T1 Fig.2,S.2,Abs.4,6	1,3-5,8,11
Y	DE 41 29 928 A1 Fig.2	1,4-6,8,9
Y	US 32 47 736 A Fig.4,7	1,2
Y	DE 44 03 574 C1 Zusammenfassung, Fig.1	1,4,5,7

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Date: 05-28-2002 Page: 1

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ANNEX 1

for information about the researched references according to § 7 of the Patent  
law

References:

DE	44 03 574 C1
DE	199 81 997 T1

DE	41 29 928 A1
US	32 47 736 A

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ANNEX 2

Appl. No.: 201 07 326.9

**DOCUMENTS CONSIDERED TO BE RELEVANT**

1	2	3
Category	Citation of Documents, with indication, where appropriate, of the relevant passages	Relevant to claim no.
X	DE 199 81 897 T1 Fig. 2, page 2, column 4,6	1,3-5,8,11
Y	DE 41 29 928 A1 Fig. 2	1,4-6,8,9
Y	US 32 47 736 A Fig. 4,7	1,2
Y	DE 44 03 574 C1 Abstract, Fig. 1	1,4,5,7

## VERIFICATION OF A TRANSLATION

I, Antonella Fusillo, resident of the United States, residing at 28-32 45<sup>th</sup> Street, # 2F, Astoria, N.Y. 11103, depose and state that:

1. I am familiar with the English and German languages.
2. I have read the attached German Search Report regarding German patent application no. 201 07 326.9
3. The hereto attached English language text is an accurate translation thereof.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

  
Antonella Fusillo

Date: October 24, 2003